- A<sup>2</sup>C<sup>2</sup>. See Army Airspace Command and Control.
- ACE. See analysis and control element.
- ACT. See analysis and control team.
- ADA. See air defense artillery.
- AGM. See attack guidance matrix.
- air defense artillery (ADA) part of targeting team, 3-4
- air liaison officer (ALO) part of targeting team, 3-4
- All-Source Analysis System (ASAS), 4-11, E-1 used for site location, 5-10 used to process SIGINT data, 5-17
- ALO. See air liaison officer.
- AM. See asset management.
- analysis and control element
  (ACE), 5-3, 5-9
  as a tasking agency, 6-1
  assessing deception, 7-3
  role in situation
  development, 5-17
  role in target development,
  F-2, F-3
  support, 3-6
  targeting acquisition, 5-14
- analysis and control team (ACT), F-2, F-3 collocated with POC, 3-8 organization, F-2 technical support, F-3

# Index

- Army Airspace Command and Control
  - part of targeting team, 3-4
- ASAS. See All-Source Analysis System.
- asset management (AM), 3-8, 4-12 FRAGO, 4-12
  - in EA planning, 3-2, 4-1, Fig 4-6
  - organization of, Fig 3-1 process in MDMP, 3-2
- ASSESS. See targeting functions.

OPORD, 4-12

- attack guidance matrix (AGM), 2-2, 3-5 thru 3-9, E-2. See also EW Annex.
  - contents, E-2
  - criteria, 4-5
  - developed by targeting
    - team, 3-5
  - EA critical product, 3-2 examples, Figs E-3 thru
    - E-6
  - EW targets, 4-6
  - in EA planning, 4-7, Fig 4-4
  - in RM and MM, 4-7, 4-10
  - in target development, 3-2,
    - 4-3, 4-7, 4-9, Fig 4-3, 5-16, H-1
  - in wargaming, 4-4, E-4
  - synchronization of, 3-6,
    - E-7

# В

battle damage assessment (BDA). See combat assessment.

- BOS synchronization matrix, 4-3, 4-4
  - in Brigade Combat Team,
  - SIGINT role, H-1
  - targeting product, 4-7
- Brigade Combat Team, H-1 EA planning, H-1
  - targeting team, H-1

# C

- C<sup>2</sup>. See command and control.
- C<sup>3</sup>. See command, control, and communications.
- CM . See collection management.
- collection management (CM)
  - in RM, 4-7
  - in targeting, 3-2,
    - 4-7, Figs 4-3 and 4-4
  - team, 3-6
- combat assessment, F-3
  - definition, 3-2
  - elements, 3-2, 3-3
  - BDA, 3-3
  - MEA. 3-2
  - reattack recommendations,
    - 3-3
- command and control (C<sup>2</sup>), 6-4, A-5, F-1
  - in deep operations, 3-9
  - in MOUT operations, G-1, G-2
  - in offensive operations,
  - 1-1, 1-4, Fig E-3 nets, G-2
- COMINT. See communications intelligence.

# FM 34-45

communications intelligence (COMINT), D-1, D-3, D-7, D-9 categories, 5-13

command, control, and communications (C<sup>3</sup>), E-6

communications intelligence, 5-14, D-1, D-3, D-7, D-9

conduct EA, 6-1

# D

DECIDE. See targeting functions.

Deep Operations Coordination Cell (DOCC), 3-8, 3-9

Defensive operations, 1-2, 2-1, 6-1, Fig 6-1

DELIVER. See targeting functions.

DETECT. See targeting functions.

DOCC. See Deep Operations Coordination Cell.

# Ε

EA. See electronic attack.

EA team, 3-8, 4-6. See also key personnel.

electromagnetic spectrum chart, A-2

electronic attack (EA)
as combat multliplier, 2-2
assets, 5-1 thru 5-18
capabilities, 1-3
definition, 1-3
deployment support,
5-1

in IO, 2-1, 2-3
in MOUT, G-1
in offensive operations,
1-1, 2-1
in targeting, 3-1 thru 3-9
IPB processing, Fig 4-2
key personnel, Fig 3-1
operations, 6-2
planning, 3-2, 4-2

restrictions, G-1

subdivision of EW, 1-2

target development,

Fia 4-3

RM, Fig 4-4

electronic attack (EA) (cont)

electronic deception types as digital (analog) emissions, C-1 MED, C-1 SED, C-1

IED, C-1

electronic protection (EP) definition, 1-3 MED, C-1 subdivision of EW, 1-2

electronic warfare (EW). See also EW annex.
analysis, 4-11
analysis products, 4-2
assets, 3-6, 5-7, 6-7, F-1
thru F-3
conduct of, 1-2
definition, 1-2
directed energy in, A-2
in IO, 1-1, 2-1, 2-2
in SEAD, 1-1
operations, 1-1, 2-1, 3-7
operator responsibilities,
7-1 thru 7-3
part of deception, C-1

plan, 3-2

principal activities, A-3

electronic warfare (EW) (cont) purpose, 1-1 restrictions in MOUT operations, G-1 subdivisions, 1-2, 1-3 targets, 4-6

electronic warfare officer (EWO), 3-5, 3-8, 4-11, E-7

EW annex. See also AGM.

EA targeting products,
3-2, 4-7,

EWO responsibility, 3-5,
4-11, E-7, Figs 4-3
and 4-4

Plan, 3-2
sample, E-9
SIGINT team role, 4-10,
H-2
tool for engaging systems,
E-7
used in database
development, 5-15, 6-7

EW assets, 3-6, 5-7, 6-7, F-1 thru F-3

EW targets, 4-6

ES. See electronic warfare support.

EP. See electronic protection.

ES team, 3-8

Electronic warfare support (ES) assets, 3-2 thru 3-18, 5-2, 6-5, 6-7, 7-4 as combat multiplier, 6-1 collection requirements, 4-10 definition, 1-3, A-6 deployment, 5-1 thru 5-18 electronic masking, A-4 in MOUT, G-1

# Index-2

electronic deception planning, C-2 techniques, C-4 types of, C-1 electronic warfare target list (EWTL), 5-15, 5-17 Engineers, 3-4 EWO. See electronic warfare officer. EWTL. See electronic warfare target list. frequency bands, A-1 in EM spectrum, 1-2 FSCOORD, 3-5. See also targeting team. G G2, 3-4. See also targeting team. G3, 3-4. See also targeting team. general support responsibilities, 5-5 thru 5-17 to division, 3-7, 3-8 Н high payoff target (HPT). See also AGM. EWO role, 4-2 thru 4-7, E-7, G-1 FAIO role, 3-6

G2 role, 3-5, 7-3

in SIGINT data, 5-17

G3 role, 4-3

in BDA, 7-3 in IO, 2-2

high payoff target (HPT) (cont) in support of PIR, 4-9 in targeting process, 3-2, E-2, E-4, G-1 in wargaming process, 2-2 targeting team role, 4-2, 5-17 HPT. See high payoff target. HVT. See high value target. high value target (HVT), E-4 component of threat models, 4-2 critical to EA planning, 4-2 in targeting process, 3-5, E-6 in wargaming process, 2-2 ī IED. See imitative electronic deception. IEW. See intelligence and electronic warfare. imitative electronic deception (IED). See also MED and SED. decisive factor on battlefield, C-2 proper use of, C-2 restrictions, C-3 Intelligence and electronic warfare commander's role, 3-7 Information operations (IO) cell, G-2 definition, 2-1 EW as instrument, 2-2 in defensive operations,

information superiority, 2-1

Information Operations (IO) (cont) in offensive operations, 2-1, 2-2 objectives, 2-2 part of targeting team, 3-4 targets, 2-2 IO. See information operations. IPB. See intelligence preparation of the battlefield. intelligence preparation of the battlefield (IPB) in EA planning, 2-3, 4-2, Fig 4-2 in MDMP, 3-2, 4-2 in site reconnaissance, 5-6 step to mission analysis, targeting team (ACE) role, products, 4-3 IR. See information requirements. information requirements (IR). See also PIR. linked to BDA requirements, 3-3 intelligence synchronization matrix (ISM), 3-2, 3-6, 5-2, 5-18, E-7 configures air and ground assets, 5-2 synchronized with AGM and EW annex, 3-6, 5-2 tool for executing EA, 3-2 used to process SIGINT data, 5-17 ISM. See intelligence synchronization matrix.

# FM 34-45

ISR. See intelligence, surveillance, and reconnaissance.

intelligence, surveillance, and reconnaissance (ISR), H-1, H-2

### . 1

Joint restricted frequency list (JRFL)

sweep jamming protection, 6-5

JRFL. See joint restricted frequency list.

JSR. See jamming-to-signal ratio.

jamming-to-signal ratio (JSR) formula, Fig B-1

# Κ

key EA personnel
Chief of Staff, 3-5
commander, 3-5
EWO, 3-4, 3-5, 4-10, 4-11
G2 Plans Officer, 3-5, 4-10
G3, 3-4
SIGINT team, 3-7,
4-3 thru 4-13
targeting team, 3-4 thru
3-6, 4-2

# L

line of sight (LOS)
asset status, 4-11
coordinating ES and ES
sites, 5-5 thru 5-13
in "Lazy W" configuration,
5-2
in MOUT environment, G-1
in ROZ step, 5-3
VECAT function, B-3
SIGINT role, 3-7

LOS. See line of sight.

# M

message formats, Appendix D MAER, D-6 MASTR, D-8 MATM, D-1

See mission management.

MOUT. See military operations on urbanized terrain.

military operations on urbanized terrain (MOUT). restrictions on ES and EA, G-1

MDMP. See military decisionmaking policy.

military decisionmaking policy (MDMP) Figs 4-2 thru 4-6 in EA planning, 3-2, 4-1 in IO actions, 2-1 in targeting process, 3-2, Chapter 4 IPB process, 3-2, 4-2

MEA. See munitions effects assessment.

MED. See manipulative electronic deception.

manipulative electronic
deception (MED). See also
SED and IED.
as an EP technique, C-1
type of electronic
deception,
C-1 thru C-4

mission management (MM), Fig 3-1, Fig 4-5, D-5 Brigade Combat Team role, H-1 mission management (MM)
(cont)
in target development, 4-3,
4-7, 4-13, F-3
process in MDMP, 3-2
products used, 4-9
POC role, 3-8
SIGINT team role, 3-4

munitions effects assessment (MEA). See combat assessment.

# 0

offensive operations, 1-1, 2-1

### P

PIR. See priority intelligence requirements.

priority intelligence requirements (PIR). See also IR.

G2 role, 7-3
in support of BDA, 3-3, 7-3
in support of database
development, 5-15
in wargaming, 4-8

# R

reattack recommendations. See combat assessment.

requirements management
(RM), Fig 3-1
Brigade Combat Team
role, H-1
in EA planning, Fig 4-4
in target development, 4-7
products used, 4-7
process in MDMP, 3-2

RM. See requirements management.

reconnaissance, surveillance, and target acquisition (RSTA), H-1, H-2 RSTA. See reconnaissance, surveillance, and target acquisition. S SED. See simulative electronic deception. simulative electronic deception (SED). See also MED and IED. unit simulation, C-2 system simulation, C-2 activity simulation, C-2 signal-to-noise ratio formula, B-1 SIR. See specific information requirements. specific information requirements (SIR) used by CM team (ACE), 3-6, 4-9, Fig 44-4 used by SIGINT team, 4-10, 5-17, H-2 SIGINT team, 3-7, 4-3, 4-6, 4-7, 4-10 coordinates with CM team, 4-7, Fig 4-4 coordinates with EWO, 4-7, 4-10, Fig 4-3 in EA planning, Fig 3-1, Figs 4-2 thru 4-5 responsibilities, 3-7, Chapter 4 uses MATM, 4-3, 4-12, Fig 4-5 role in target analysis, 4-10

# Т

TA. See transcription and analysis team.

TACREP. See tactical report.

tactical report (TACREP), 5-17 target development in EA planning, Fig 4-3 process in MDMP, 3-2 TA role, F-2 target selection standard (TSS) targeting functions. See also targeting methodology. ASSESS, 3-1, 3-2, 7-1 DECIDE, 3-1, 4-1, Fig 4-1 DELIVER, 3-1, 3-2, 6-1 DETECT, 3-1, 3-2, 5-1 targeting methodology, 3-1, 4-1 critical products used, 3-1, EWO responsibilities, 3-1 In EA. 3-1 key personnel and organizations, 3-4 thru 3-9 targeting products, Appendix E AGM, 4-7, E-3 **BOS** synchronization matrix, 4-3, 4-6, 4-7 EW Annex, 4-3, 4-7, E-7, E-9 HPTL, 4-7, E-1 HPTL-AGM (Option 1), E-5 HPTL-AGM (Option 2), E-6 HVT. 4-3 Sensor or Attack Matrix. E-4 SIR, 4-7, 4-10 Target Sheet, E-8 TSS, E-2 targeting team, 3-4, 7-3

ACE, 3-6, 4-2

coordination with EWO and

CM, 4-5, 4-11 coordination with FS, 7-5

```
targeting team (cont)
     in Brigade Combat Team,
          H-1
     organization, Fig 3-1
     products, 4-2 thru 4-5, 4-7,
          E-1
     responsibilities, 1-1, 3-1,
          3-4 thru 3-9, 4-1, E-4
transcription and analysis (TA)
  team
     coordinates with C&J
          platoon, F-2, F-3, H-2
     part of POC, 3-8
     processes SIGINT data,
          5-17, 7-2,
     tasker team, 6-1, F-2
     in EA conduct, 6-2
TSS. See target selection
  standard.
                W
wargaming
     during COA analysis, 4-3
     DPs, 4-8
wargaming products
     BOS synchronization
          matrix, 4-8
     DST, 4-8
     FS plan, 4-8
     HPT, 4-4
     HVT, 2-2
     PIR, 4-8, 4-9
     sensor attack matrix, 4-10
     SIR, 4-9
     staff estimates, 4-8
```